

WHAT IS CLAIMED IS:

1. A prosthesis adapted for contact with the sclera of an eyeball, said prosthesis comprising a body having a first end and a second end, said body having a planform adapted to expand said contacted sclera to increase the effective working distance of the ciliary muscle of the eyeball.

2. The prosthesis set forth in Claim 1 wherein said body further comprises a top surface that is adapted to contact ocular tissue within a pocket surgically formed within the sclera of the eyeball.

3. The prosthesis set forth in Claim 2 wherein said top surface is circumferentially shaped and adapted to exert an outward force on the scleral pocket to elevate the portion of the sclera attached thereto to increase the effective working distance of the ciliary muscle of the eyeball.

4. The prosthesis set forth in Claim 2 wherein said body further comprises a means for stabilizing said prosthesis within said surgically formed pocket within the sclera of the eyeball.

1           5. The prosthesis set forth in Claim 4 wherein said  
2 stabilizing means includes a bottom surface that is adapted to  
3 contact ocular tissue within said surgically formed pocket.

1           6. The prosthesis set forth in Claim 5 wherein said ocular  
2 tissue contact of said bottom surface of said body is at least  
3 substantially equal to said ocular tissue contact of said top  
4 surface of said body.

1           7. The prosthesis set forth in Claim 4 wherein said  
2 stabilizing means includes at least one of said first end and said  
3 second end that is adapted to fix said body within said surgically  
4 formed pocket.

1           8. The prosthesis set forth in Claim 7 wherein said at least  
2 one of said first end and said second end include has a partially  
3 concave top surface.

1           9. The prosthesis set forth in Claim 7 wherein said at least  
2 one of said first end and said second end include has a partially  
3 convex top surface.

1 10. The prosthesis set forth in Claim 7 wherein said at least  
2 one of said first end and said second end include has a partially  
3 concave bottom surface.

1 11. The prosthesis set forth in Claim 7 wherein said at least  
2 one of said first end and said second end include has a partially  
3 convex bottom surface.

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1 12. A prosthesis adapted for contact with the sclera of an  
2 eyeball, said prosthesis comprising a body having a first end and  
3 a second end, said body having a planform adapted to expand said  
4 contacted sclera to increase the effective working distance of the  
5 ciliary muscle of the eyeball and further means for stabilizing  
6 said prosthesis within said surgically formed pocket within the  
7 sclera of the eyeball.

1 13. The prosthesis set forth in Claim 12 wherein said body  
2 further comprises a top surface that is adapted to contact ocular  
3 tissue within a pocket surgically formed within the sclera of the  
4 eyeball.

1 14. The prosthesis set forth in Claim 13 wherein said top  
2 surface is circumferentially shaped and adapted to exert an outward  
3 force on the scleral pocket to elevate the portion of the sclera  
4 attached thereto to increase the effective working distance of the  
5 ciliary muscle of the eyeball.

1 15. The prosthesis set forth in Claim 12 wherein said  
2 stabilizing means includes a bottom surface that is adapted to  
3 contact ocular tissue within said surgically formed pocket.

1 16. The prosthesis set forth in Claim 15 wherein said ocular  
2 tissue contact of said bottom surface of said body is at least  
3 substantially equal to said ocular tissue contact of said top  
4 surface of said body.

1 17. The prosthesis set forth in Claim 12 wherein said  
2 stabilizing means includes at least one of said first end and said  
3 second end that is adapted to fix said body within said surgically  
4 formed pocket.

1 18. The prosthesis set forth in Claim 17 wherein said at  
2 least one of said first end and said second end include has a  
3 partially concave top surface.

1           19. The prosthesis set forth in Claim 17 wherein said at  
2    least one of said first end and said second end include has a  
3    partially convex top surface.

1           20. The prosthesis set forth in Claim 17 wherein said at  
2   least one of said first end and said second end has a partially  
3   concave bottom surface.

21. The prosthesis set forth in Claim 17 wherein said at least one of said first end and said second end has a partially convex bottom surface.

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